Posters

Workshop on Spectroscopic Needs for Atmospheric Sensing

San Diego, California, USA
22-26 October 2001

List of Authors and Poster Titles

Takayoshi Amano	Submillimeter-Wave Measurements of Pressure Broadening Parameters for HO_2 and BrO.
Philippe Baron	Atmospheric Observations from the Submillimeter Radiometer Onboard the Odin Satellite.
Manfred Birk	High-Resolution IR Lab Spectroscopy of Atmospheric Constituents at DLR.
Linda Brown	Line Parameters of Water at 0.94 μm.
Michel Carleer	1. New High Resolution FTS Measurements of H2O in the 13000 - 25000 cm-1 Region. 2. Choosing a NO2 XSec for UV-Visible Atmospheric Measurements: Impact on BrO, OClO, ... Concentration Retrievals.
Charles Chackerian, Jr.	New Electric Dipole Moment Function for CO and Update of HITRAN CO Line Intensities.
Edward Cohen	Rotational Spectra and Molecular Properties of the Halogen Monoxides and Dioxides.
Brian Drouin	Atmospheric Trace Gas Rotational Lineshape Parameters.
Annmarie Eldering	Clouds, Aerosols, and FTIR Emission Measurements.
Gene Francis	Status of HIRDLS Spectroscopy Requirements for Forward Modeling.
Masashi Fukabori	Measurements of the Line Strengths and Half-Widths of N_2O, CO_2, and CH_4 Bands in the 2100-3200 cm^{-1} Region.

Robert Gamache	Lineshape Parameters via the Complex Robert-Bonamy Formalism.
Lawrence Giver	Comparison of HITRAN Calculated Spectra with Laboratory Measurements of the 820, 940, 1130, and 1370 nm Water Vapor Bands.
Aaron Goldman	High-Resolution IR Stratospheric Spectral Atlas and the Needs for Laboratory Spectroscopy.
Nicole Husson	The GEISA Spectroscopic Database System and Its Relevance to the IASI Instrument.
Ken Jucks	Spectroscopy Issues for the FIRS-2 Far Infrared Spectrometer.
Yasuko Kasai	The Accuracy and Precision of the Pressure Broadening Parameters Required for Atmospheric Observation by JEM/SMILES.
Walter Lafferty	Rotational Analysis of the ν4 (~780 cm-1) and ν3 (~810 cm-1) Bands of ClONO2 Recorded at High-Resolution (0.0019 cm-1) at 190 K.
Ulrich Mair	1. TELIS - Development of a New Balloon-Borne THz/Submm Heterodyne Limb Sounder. 2. THOMAS - TeraHertz OH Measurement Atmospheric Sounder.
Charles Miller	High-Resolution Spectroscopy of CO2 in the 4500 – 8000 cm-1 Region.
Marty Mlynczak	Spectroscopic Needs for Remote Sensing of the Far-IR for Climate and Water Vapor Profiling.
David Newnham	High Resolution Infrared, Visible, and UV Fourier Transform Spectroscopy at the RAL Molecular Spectroscopy Facility for Earth Observation Applications.
Richard Niedziela	Optical Studies of Model Tropospheric Aerosols
Hermann Oelhaf	Impact of New Pressure-Temperature Dependent $ClONO_2$ Absorption Cross Sections on $ClONO_2$ Retrievals and the Chlorine Budget as Derived from IR Atmospheric Limb Emission Spectra.

David Plusquellic	Laboratory Studies of Continuum Absorption.
Curtis Rinsland	IR Laboratory Parameters for Atmospheric Chemistry Applications: Recent Improvements, Examples of Their Use, and Anticipated New Results.
Larry Rothman	HITRAN'2001: Status of the Spectroscopic Database Compilation.
Bhaswar Sen	Spectroscopy Evaluation using MkIV Balloon Spectra.
Philip Sheehy	Improvements in Spectroscopic and Kinetic Parameters by IntraCavity Laser Absorption Spectroscopy (ICLAS).
James Sloan	Prerequisites, Progress, and Prospects for Determining the Chemical Composition of Atmospheric Aerosols by Remote Sensing.
Mary Ann Smith	Infrared Spectroscopic Parameters of Ozone and Other Atmospheric Gases.
Bob Stachnik	Field Observations of a Submillimeterwave Emission Pressure Line-Shift for HCl.
Jochen Stutz	Probing the Atmospheric Boundary Layer with Long Path Differential Optical Absorption Spectroscopy.
Geoff Toon	Atmospheric COCl2 Measured by Balloon-Borne Solar Absorption Spectrometry.
Robert Toth	HNO_3 Measurements from 850 to 921 cm^{-1}.
Prasad Varanasi	Laboratory Infrared Spectroscopy Relevant to the Remote Sensing of Atmospheric Trace Gases.
Malathy Venkataraman	New Laboratory Measurements of 4.3 and 10 μm CO_2 Bands.
Tatsuya Yokota	ILAS/ILAS-II Spectroscopic Problems and Measurement Plan in 753 - 784 nm, 3.0 - 5.7 μm, and 6.2 - 11.8 μm.

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